

ACCESSION NR: AT4014047

ultimate state has been accumulated as the result of the cyclic character of stresses. Fatigue crack propagation, fatigue strength at elastic and plastic deformations of smooth and notched test specimens, the influence of residual stresses at plastic deformations, and fatigue strength of wide strips bent as plates are discussed in some detail. It is concluded that: (1) the influence of factors decreasing the fatigue strength is moderated by conditions encountered in the plastic range; (2) the fatigue cracks are propagated with less intensity on larger test specimens or machine parts; however, the smaller specimens or parts endure a higher stress before the formation of cracks occurs. The period of crack propagation in the plastic range is relatively long; (3) at plastic zero-to-compression cycling of specimens containing stress raisers, actual stresses change sign because of residual tensile stresses; (4) at a reduction of fatigue life to 1/4 of a cycle, the ultimate cyclic stress obtained by extrapolation is close to the true stress in the contracted zone at failure in tension; (5) after bending in the plastic range, residual stresses have no negative effect on fatigue strength; (6) wide strips bent cyclically in the elastic range exhibit fatigue cracking at the edges; in the plastic range, however, fatigue cracks occur first in the central portion of the width; (7) at plane stress conditions, such as occur during bending of wide strips, and

Card 2/3

ACCESSION NR: AT4014047

at uniaxial stress conditions such as occur during bending of narrow strips, fatigue strength can be generalized by the stress. "The author expresses thanks to T. E. Mingin, B. B. Chegulin, and Yu. S. Chuvikovskiy, who made possible the research, the results of which are reported in the present article." Orig. art. has: 20 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 20Feb64

ENCL: 00

SUB CODE: MM

NO REF Sov: 008

OTHER: 004

Card 3/3

ACCESSION NR: AP4031637

5/0203/64/004/002/0328/0332

AUTHOR: Vsekhsvyatskiy, S. K.

TITLE: Solar wind and solar corpuscular streams

SOURCE: Geomagnetism i aeronomiya, v. 4, no. 2, 1964, 328-332

TOPIC TAGS: geomagnetic index, solar rotation, solar activity, solar equatorial plane, geomagnetic field

ABSTRACT: Geomagnetic K_p indices have been studied for 1937-1958 and associated with solar rotation periods. An empiric formula is given for computation of a correlation coefficient. Numerical values of the coefficient differ greatly from one solar rotation period to another. The author assumed that during the phase of weak solar activity of its 11-year cycle, the correlation coefficient changes slightly. At maximum solar activity, the values of the coefficient are small and change markedly. The values of the correlation

Card 1/2

ACCESSION NR: AP4031637

coefficient are more stable during the equinox periods. In June and December, the earth crosses the solar equatorial plane; during these months the heliographic latitude of the earth changes markedly, and its position with regard to coronal elements may change the magnetic index. In the equinox period the earth remains longer in equal coronal conditions which do not cause great changes in the geomagnetic field. Orig. art. has: 2 figures, 2 tables, and 1 formula.

ASSOCIATION: Kiyavskiy gosudarstvennyy universitet (Kiev State University)

SUBMITTED: 05Feb63 DATE ACQ: 30Apr64 ENCL: 00

SUB CODE: AS NO REF. Sov: 007 OTHER: 006

Card 2/2

ACCESSION NR: AT4032224

S/3089/63/000/005/0216/0224

AUTHOR: Vsekhsvyatskiy, S. K.

TITLE: Structure of solar corona and corpuscular streams

SOURCE: AN UkrSSR. Mezhdunovodstvennyy geofizicheskiy komitet. Geofizika i astronomiya; informatsionnyy byulleten', no. 5, 1963, 216-224

TOPIC TAGS: solar corona, mechanical system, corpuscular stream, chromospheric eruptive activity, prominence filament, flocculus coronal formation, solar magnetic field, surface magnetic field, coronal plasma, external corona, terrestrial orbit, correlation coefficient, solar activity cycle, geomagnetic field

ABSTRACT: The rotation of solar corona occurs together with the solar body as a mechanical system with peculiar shifting of details. Solar corpuscular streams are generated by eruptive activity of the chromosphere, especially in formation of prominence filaments. Coronal fan-shaped formations and the straight rays on them are located above dark filaments and dark flocculi. Stable coronal

Card 1/2

ACCESSION NR: AT4032224

formations are created by interactions of the general solar magnetic field, local surface magnetic fields, and magnetic fields of coronal plasma streams. The matter concentration in polar rays is 10 times more than in the interstitial places. Photographs of external corona show the rays as straight lines stretched at distances from 15 to 20 solar radii. Coronal rays may be stretched beyond the terrestrial orbit, and their energy is increased with distance because of a solid rotation of the system. Coefficient K is introduced which characterizes the correlations between the solar activity cycle and the state of the geomagnetic field. K increases through all phases of the cycle. Orig. art. has: 5 figures and 2 formulas.

ASSOCIATION: Kiyevskiy gosudarstvennyy universitet (Kiev State University)

SUBMITTED: 00

DATE ACQ: 16Apr64

ENCL: 00

SUB CODE: ES

NO REF SOV: 010

OTHER: 002

Card 2/2

VSEVOLOZHSKAYA, Ye.V.; MORZOVA, O. Ye.; PETROV, Al. A.

Dibutyltetrachlorophthalate as a stationary phase in the
gas-liquid chromatography of hydrocarbons. Neftekhimiia 4
no.1:142-150 Ja-F'64 (MIRA 17:6)

1. Institut geologii i razrabotki goryuchikh iskopayemykh
Gosudarstvennogo komiteta SSSR po toplivu.

1. VSEVOLODOV, H.; STEPANENKO, M.
2. USSR (600)
4. Telecommunication--Employees
7. At a sanatorium for communication workers, Sov. sviaz., 10, 1951.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

1. VSEVELODOV, M.
2. USSR (600)
4. Kashel', Anatolii Arkhipovich
7. Anatoliy Kashel', Sov. sviaz., no. 5, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

1. KASHEL', Anatolii; VSEVOLODOV, M.
2. USSR (600)
4. Television
7. Sov. sviaz., 3, No. 5, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

VSEVOLODOV, M.

Lidia Mostovaia. Sov.sviaz. 2 no.11-6 N '52. (MLRA 7:8)
(Mostovaia, Lidiia Korneevna)

VSEVOLODOV, M.

Behind the wheel of a mail truck. Sov.sviaz. 2 no.12:12-13 D '52.
(Postal service) (Motor trucks) (MIRA 7:8)

VSEVOLODOV, M.

Teltcommunication

"Pavel, Chigishev" Sov. sviaz. no. 11, 1951.

9. Monthly List of Russian Accessions, Library of Congress, August 1952 1952, Unc1.

VSEVOLOZHSKIY, V.A.

Page flow into the lake basins of the southern part of the
West Siberian Lowland. Trudy GOI no.122/142-152 '65.
(MIRA 18:9)

VSEVOLODOV, M.

Telecommunication

Nikolai Petrenko, Sov. sviaz., no. 8, 1951.

Monthly List of Russian Accessions, Library of Congress, March 1952.
Unclassified

VSEVOLODOV, M.

V sel'skom otделении связи. *[In a rural communication department.]* Moskva,
Gos. izd-vo lit-ry po voprosam sviazi i radio, 1950. 53 p. ports. (Biblioteka
stakhanovtsa).
DLC: HE7059.V8

SO: SOVIET TRANSPORTATION AND COMMUNICATIONS, A BIBLIOGRAPHY, Library of Congress
Reference Department, Washington, 1952, Unclassified.

6(0)

SOV/111-59-9-17/31

AUTHOR: Vsevolodov, M.K.

TITLE: Subsidiary Points for Kolkhoz Postmen

PERIODICAL: *Vestnik svyazi*, 1959, Nr 9, p 23 (USSR)

ABSTRACT: This article describes a system of subsidiary points for kolkhoz postmen in the villages of 3 districts of the Ryazan' oblast' introduced in May, 1959. Of 8 such points in the oblast', 5 are located in the Shilov rayon; organization and operation of postal work at these 5 points is outlined with aid of a diagram. The author enumerates a number of advantages in the use of this system of postal pickup and delivery. Mentioned in the article is N.V. Kon'kov, chief of the Shilovskaya kontora svyazi (Shilov Communications Office). There is 1 diagram.

Card 1/1

VSEVOLODOV, M.K.

In the leading district of a long-distance communication cable
network. Vest. sviazi 25 no. 11:22-24 N '65. (MIA 18:12)

VSEVOLODOV, M. K.

"Communications Facilities at the Volga-Don Canal Construction Site,?" Vest.
Svyazi, No. 10, 1952

Translation M-674, 27 July 1955

VSEVOLODOV, M.K.

The competition has become an effective force. Vest. sviazi 22
no.3:27-28 Mr '62. (MIRA 15:2)
(Rostov-on-Don--Postal service--Employees)

VERVOLODOV, Nikolay Sergeyevich; BERLYANT, I.Ya., redaktor; SUKHOODOLOV, S.T.,
tekhnicheskiy redaktor; TSIRUL'NITSKIY, N.P., tekhnicheskiy redaktor

[Utensils that lighten house work] Izdeliya, oblagchayushchie trud v
domashnem khoziaistve, Moskva, Tsesa, kooperativnoe izd-vo, 1956.
33 p. (MLRA 10:2)
(Kitchen utensils)

VSEVOL'DOV, N. S.

Ratsional'nyy raskroy listovykh metallov (Rational laying out of sheet metals)
Moskva, Koliz, 1952
20 p. illus., diagrs., tables.

SO: 3/5
732.003
.v9

VSEVOLODOV, N.S.

New method of cutting steel sheets. Vest.mash. 33 no.3:22-25 Mr '53.
(MLRA 6:5)
(Sheet metal work)

TARAKANOV, Ye.I., prof.; VSEVOLODOV, P.N., inzh.

"Guard your health" by A.M.Demidova. Reviewed by E.I.Tarakanov.
Zdrorov'e 7 no.3:32 Mr '61. (MIRA 14:3)
(HYGIENE) (DEMIDOVA, A.M.)

VSEVOLOZSKAJA, E. V.

"Isomerisation des hydrocarbures polymethyleniques sous l'influence du chlorure d'aluminium.
IX. Isomerisation du 1,2-dimethylcyclopentane," by M. B. Turova-Poljak and E. V.
Vsevolozskaia. (p 824)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1941, vol 11, no 10.

VSEVOLOSHSKAJA, E. V.

M. B. TUROVA-POLJAK, ZhOKh, 1941, 11, 817-820, 821-823, 824-828

75VOLOZHSKAYA, Z. V.
M. B. TIKHOVA-POLLAK, ZhOKh 11, 924-8, 1941

VSEVOLZHSKAYA, G.K., dots.

[Physiology of plant nutrition] Fiziologiya pitanija rastenij. Stavropol', Stavropol'skoe knizhnoe izd-vo, 1964.
27 p. (MIRA 18:8)

1. Kafedra botaniki i fiziologii rastenij Stavropol'skogo sel'skokhozyaystvennogo instituta.

USSR / Forestry. Forest Cultures.

K

Abs Jour : Ref Zhur - Biologiya, No 18, 1958, No. 82216

Author : Vayvolozhskaya, G. K.

Inst : Bryansk Forestry Institute

Title : Role of Microfertilization in Increasing the Quality
of Seedlings of Tree Species

Orig Pub : Tr. Bryanskogo lesokhoz. in-ta, 1957, 8, 115-125

Abstract : Using complete mineral fertilization (N 0.1, P₂O₅ 0.2, K₂O 0.08 g/kg of soil) tests were made in hothouses and in the field demonstrating the influence of MgSO₄, NaCl, CuSO₄, MnSO₄, H₃PO₃, α -naphthylacetic acid, sylvinites, schoenite, bormagnesium waste products and some other substances in the seedlings and saplings (not older than 3 years), the English oak, the Norway maple, and the ordinary elm and ash. It was established that micro-elements on a background of NPK improved the quality of

Card 1/2

USSR / Forestry. Forest Cultures.

K

Abs Jour : Ref Zhur - Biologiya, No 18, 1958, No. 82216

seedlings, contributed to the development of the root systems, promoted the growth of the trunks, and assisted in the formation of a greater surface assimilation in the leaf. The greatest positive effect was observed with the application of B salts on a lime background, Zn, Cu, Mn, and Mg. -- D. I. Deryabin

Card 2/2

26

VSEVOLOZHSKAYA, G. K.

USSR/Agronomy
Plants - Growth, Regulators
Hemp

Mar 49

"The Effect of Alpha-Naphthyl Acid and Other
Growth Stimulants on the Hemp Seed Harvest,"
G. K. Vsevolozhskaya, All-Union Sci Res Inst of
Bast Culture, Glykhov, Sumskaya Oblast, 3 pp

"Dok Ak Nauk SSSR" Vol LXV, No 2

X Attempts to clarify effectiveness of several pre-
parations of growth stimulants to increase hemp-
seed productivity. Concludes that alpha-naphthyl-
acetic acid effects highest increase in produc-
tivity of hemp seed, especially with twice-repeated
spraying. Submitted by Acad. N. A. Maksimov,
15 Jan 49.

FDB

39/49T1

CA

Effect of 1-naphthaleneacetic acid and other growth regulators on the yield of hemp seed. G. K. Vsevolodskaya (Vsev. Nauch.-Issledovat. Inst. Liliyanovikh Kultivov, Glukhov, Smol'sk Obl.), Doklady Akad. Nauk SSSR, 83, 233 (1949).—A spray with 0.0005% solution lowers rate of growth, while 0.0005% stimulates the growth, when 2,4-D is used. Heterotropism of 1-naphthaleneacetic acid gave growth increase at either concentration, while 2,4-dichlorophenoxybutyric acid had little effect. G. M. Kosolapoff

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001961220010-9"

KUDRYA, N. A., kand. tekhn. nauk; VSEVOLOZHSKAYA, I. N., inzh.

New standard for products of metal and ceramic hard-facing
alloys for hard-facing drills. Gor. zhur. no. 10:45-48
0 '62. (MIRA 15:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tverdykh
splavov, Moskva.

(Hard facing—Equipment and supplies)

SOURCE CODE: UR/0413/66/000/016/0029/0029

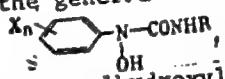
ACC NR: AP6030548

INVENTOR: Baskakov, Yu. A.; Svirskaya, P. I.; Mel'nikov, N. N.; Shvindlerman, G. S.;
Vsevolozhskaya, N. B.; Stonov, L. D.; Bakumenko, L. A.

ORG: none

TITLE: Preparation of N-hydroxyurea derivatives. Class 12, No. 184835 [announced
by All-Union Scientific Research Institute of Chemicals for Plant Protection
(Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh sredstv zashchity
rasteniy)

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 29

TOPIC TAGS: herbicide, hydroxyurea derivative, alkyl isocyanate, alkylcarbamoyl
chloride, WEED KILLER, UREA COMPOUNDABSTRACT: In the proposed method for the preparation of herbicides, derivatives
of N-hydroxyurea of the general formula:are obtained by treating arylhydroxylamines with alkyl isocyanates or
with alkylcarbamyl chlorides. [WA-50; CBE No. 11]

SUB CODE: 07/ SUBM DATE: 28Jul64/

UDC: 547.495.2.07
632.954.2

Card 1/1

VSEVOLOZHSKIJ, I.

U nas na flote In our navy. Moskva, Voenno-morskoe izd-vo, 1952. 254 p.

SO: Monthly List of Russian Acquisitions, Vol 6 No 4, July 1953

VSEVOLOZHSKIY, Igor'

[Imperceptible monitor] Neulovimyi monitor. Moskva, Voer.
izd-vo, 1959. 239 p. (MIRA 15:5)
(World War, 1939-1945--Personal narratives)

VSEVOLOZHSKIY, L.A.

Improvement of the output control system for the DN-21 batcher.
Priborostroenie no.9:30-31 S '63. (MIRA 16:9)
(Proportioning equipment)

VSEVOLOZHSKIY, V.A.; PAVLOVA, K.K.

Characteristics of the formation of subsurface flow into rivers
in the Pur region. Trudy GGI no.114:171-179 '64.
(MIRA 17:11)

VSEVOLOZHSKIY, V.A., aspirant; KARPOVA, V.P.

Conditions governing the formation of the runoff in depth
of the upper zone of the intensive water exchange in the
northern part of the European U.S.S.R. Izv. vys. ucheb. zav.;
geol. i razv. 7 no.9:91-101 S '64.

(MIRA 17:10)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

VSEVOLOZHSKIY, Yu.V.; GALKIN, A.F., aspirant; GRIGOR'YEV, V.I., aspirant

Sudan grass as economic green fodder. Zhivotnovodstvo 23
no.5:54-55 My '61. (MIRA 16:2)

1. Direktor sovkhoza "Kommunist" Khar'kovskoy oblasti (for
Vsevolozhskiy). 2. Khar'kovskiy sel'skokhozyaystvennyy
institut (for Galkin, Grigor'yev).
(Sudan grass)

VSESVIATSKIY, B.V., prof.

Problems of improving the teaching of biology in connection with
the progress of biological science. Biol. v shkole no. 4:8-13
(MIRA 15:12)
Jl-Ag '62.

1. Moskovskiy gosudarstvennyy pedagogicheskiy institut imeni
Lenina.
(Biology—Study and teaching)

VSE3VYATSKIY, B.V.

Methodology of biology or didactics of biology? Biol. v shkole
no.4:5-8 J1-Ag '63. (MIRA 1619)

1. Moskovskiy gosudarstvennyy pedagogicheskiy institut imeni
Lenina. (Biology--Study and teaching)

VSESVYATSKIY, Boris Vasil'yevich, prof.; RYBAKOVA, N.T., red.; KOVALENKO, V.L., tekhn.red.

[General methodology of biology; textbook for pedagogical institutes] Obshchaya metodika biologii; uchebnoe posobie dlia pedagogicheskikh institutov. Moskva, Gos.uchebno-pedagog.izd-vo M-va prosav.RSFSR, 1960. 330 p. (MIRA 13:11)
(Biology--Study and teaching)

VSESVYATSKIY, B.V., professor

Method of studying the subject "Variety of flowering plants."
Biol.v shkole no.4:10-15 J1-Ag '60. (MIRA 13:7)

1. Moskovskiy gorodskoy pedagogicheskiy institut im. V.P.
Potemkina. (Botany---Study and teaching)

VSEVOLOZH'S'KIY, Mykhailo Mykolayovych

[Decisive force] Vyrishal'na syla. Zaporizhzhia, Zaporiz'ke
kryzhkovo-gazetne vyd-vo, 1960. 37 p. (MFA 15:10)
(Ukraine--Economic policy)

GOLOVKINA, M.T.; NOVOTEL'NOV, N.V.; VSHELYAKI, T.N.; PAVLOVETS, N.M.

Antibiotic properties of vitamin preparations obtained from the
wild rose fruit by the fermentation method. Izv.vys.ucheb.zav.;
pishch.tekh. no.5:43-46 '63. (MIRA 16:12)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy pro-
myshlennosti, kafedra mikrobiologii i biokhimii.

V SHESINSKAYA

POLAND/Optics - Physical Optics.

K-5

Abs Jour : Referat Zhur - Fizika, No 3, 1957, 7764

Author : Vshesinskaya.

Inst :

Title : Crystalline Phosphors, Production and Structure.

Orig Pub : Postepy. fiz., 1956, 7, No3, 183-194

Abstract : Survey,
Bibliography, 9 titles.

Card 1/1

- 55 -

USSR/Zooparasitology. Ticks and Insects - Vectors of Causal Organisms. Ticks.

Abs Jour: Ref. Zhur. - Biol., No 23, 1958, 104110

Author : Vshivkov, F. M.

Inst : Academy of Sciences of the Ukrainian SSR

Title : The Biology of the Tick *Ixodes redicorzevi* *redicorzevi* under Conditions of the Crimea.

Orig Pub: Zb. prats' Zool. muzeyu AN URSR, 1957, No 28, 105-107

Abstract: The tick *I. r. redicorzevi* was found in mountainous, foothill and steppe areas of the Crimea. Its larvae were encountered chiefly on rodents; the nymphs and imago, on rodents and birds during the entire year. Eleven female and two male adult ticks were also collected directly from plants by means of a scraper. This fact and

Card 1/2

VSHIVKOV, F.M. [Vshyvkov, F.M.]

~~Biology of the tick Ixodes redicorzevo Olen. Zbir. prats' Zool.~~
~~muz. AN URSR no.28:105-107 '57.~~
~~(Crimea--Ticks)~~

VSHIVKOV, F.N.

USSR/Zooparasitology - Acarina and Insect-Vectors of Disease
Pathogens.

G-4

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10099

Author : Vshivkov, F.N., Filippova, N.A.

Inst :

Title : A New Tick Species *Ixodes tauricus* Vshiv. et Filip., sp.
nov. (Acarina, Ixodidae) from Crimea.

Orig Pub : Entomol. obozrenie, 1957, 36, No 2, 553-560

Abstract : No abstract.

Card 1/1

VSHIVKOV, F.N.; SKALON, O.I.

Fleas (Suctoria) of the Crimea. Trudy Nauch.-issl. protivochum. inst. Kav. i Zakav. no.5:138-155 '61.
(MIRA 17:1)

1. Krymskiy gosudarstvennyy pedagogicheskiy institut,
Simferopol' i Nauchno-issledovatel'skiy protivochumnyy
institut Kavkaza i Zakavkaz'ya.

VSHIVKOV, F.N.; FILIPPOVA, N.A.

Ixodes tauricus Vshiv. et Filip., sp. nov. (Acarina, Ixodidae)
from the Crimea [with summary in English]. Ent. oboz. 36
no. 2:553-560 '57. (MIRA 10:7)

1. Zoologicheskiy institut Akademii nauk SSSR, Leningrad.
(Crimea--Ticks)

VSHIVKOV, F. N.

"Results of the Study of Ectoparasites of Wild Vertebrates in Crimea."

Tenth Conference on Parasitological Problems and Diseases with Natural
Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of
Sciences, USSR, Moscow-Leningrad, 1959.

Crimean Pedagogic Institute, Simferopol'

The agglomeration of waste products of vanadium production. G. I. Yakovlev. *Ural. Met.* 1939, No. 7, 7-40; *Khim. Referat. Zhur.* 1939, No. 12, 67. — In the treatment of raw materials there are large losses of V in the blast-furnace dust (V_2O_3 0.40%), in the waste products of the chem. treatment after the acid leivation (V_2O_3 1.02%) of the in the elec. furnace slag (V_2O_3 0.70%) and in the dust after cleaning the elec. furnace (V_2O_3 4-8%). Agglomeration and smelting in a blast furnace to V cast iron are proposed for the utilization of these waste products. S is burned out during the agglomeration. Exptl. treatment of wastes by this method was unsuccessful. W. R. Henn

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961220010-9"

PHASE I BOOK EXPLOITATION

SOV/3704

Vshivkov, Petr Pavlovich

Kuznechno-shtampovochnye mashiny (Die-Forging Machinery) Moscow, Mashgiz, 1959.
81 p. (Nauchno-populyarnaya biblioteka rabochego kuznetsa, vyp. 5) 14,000
copies printed.

Reviewer: O.A. Ganago, Candidate of Technical Sciences; Ed.: A.S. Kon'kov,
Docent; Tech. Ed.: N.A. Dugina; Exec. Ed. (Ural-Siberian Division,
Mashgiz): A.V. Kaletina, Engineer.

PURPOSE: This book is intended for forging-shop workers.

COVERAGE: The book deals with the fundamentals of the structure and working
principles of die-forging machinery. Descriptions of machine designs most
frequently used in modern forging work are presented. No personalities are
mentioned. There are 3 references, all Soviet.

Card 1/4

Die-Forging Machinery

SOV/3704

TABLE OF CONTENTS:

The First Forging Machines	3
From Hammers to Forging Presses and to Modern Metal-Forming Machinery	7
Why Does Hand Forging Require an Anvil and Hammer Forging a Heavy Anvil Block?	11
Constructional Relationship Between Anvil Block and Hammer	16
Is It Possible to do Without the Anvil Block?	18
Why do Double-Acting Steam Hammers Have Greater Force of Impact Than Gravity Drop Hammers?	20
Which is better - High Speed of a Blow or a Blow With a Heavier Ram?	22
Types of Hammers	24
Card 2/4	

Die-Forging Machinery	SOV/3704
Hammers for Open-Die Forging	25
Hammers for Closed-Die Forging	31
Hammer Operation	42
Types of Presses	47
Use of Hydraulic Actuation in Presses	47
Construction of Hydraulic Presses	49
Sources of High-Pressure Hydraulic Fluid for Hydraulic Presses	52
Operation of Hydraulic Presses	60
Dependence of the Pressing Force on the Fluid Pressure in the Hydraulic Circuit	65
Card 3/4	

Die Forging Machinery	SOV/3704
Mechanical Presses	68
Construction and Working Principle of a Mechanical Press	70
Operation of Mechanical Presses	72
Special Forging Machinery	73
Conclusion	80
Bibliography	81

AVAILABLE: Library of Congress (S3597)

Card 4/4

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7-8-60

Vshivkov P.P.

ZLATKIN, Moisey Grigor'yevich; DOROKHOV, Nikolay Nikolayevich; LEBEDEV, Nikolay Ivanovich; MAKAROV, Nikolay Yevgen'yevich; NEYSHTAT, Zyma Fal'kovich; SYCHEV, Arkadiy Mikhaylovich; SKLYUYEV, P.V., kand. tekhn. nauk, retsenzent; TASHCHEV, A.K., kand. tekhn. nauk, retsenzent; TRUBIN, V.N., kand. tekhn. nauk, retsenzent; VSHIVKOV, P.P., inzh., retsenzent; KON'KOV, A.S., inzh.. retsenzent; LEBEDEV, N.S., inzh., retsenzent; FOTEKUSHIN, N.V., inzh., retsenzent; TYAGUNOV, V.A., dokter tekhn. nauk, red.; SOKOLOV, K.N., kand. tekhn. nauk, red.; SKORNYAKOV, V.B., red.; YAROSHENKO, Yu.G., red.; ZAKHAROV, B.P., inzh., red.; AMIROV, I.M., inzh., red.; MYSHKOVSKIY, V.A., inzh., red.; SHELEKHOV, V.A., inzh., red.; BOGOMOLOV, O.P., inzh., red.; KATS, I.S., inzh., red.; LEVANOV, A.N., inzh., red.; DUGINA, N.A., tekhn. red.

[Handbook on forging practices] Spravochnik rabochego kuznechno-shtampovochnogo proizvodstva. By M.G.Zlatkin i dr. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 776 p.

(MIRA 14:9)

(Forging—Handbooks, manuals, etc.)

VSHIVKOV, Petr Pavlovich; GANAGO, O.A., kandidat tekhnicheskikh nauk,
retsenzent; MOROZEVICH, B.A., inzhener, retsenzent; ZLATKIN, M.G.,
inzhener, redaktor; SARAFANIKOVA, G.A., tekhnicheskiy redaktor

[Hammer forging] Svobodnaya kovka. Pod red. M.G. Zlatkina. Moskva,
Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957. 62 p.
(Nauchno-populiarnaya biblioteka rabochego kuznetsa, no.6)
(Forging) (MLRA 10:10)

PAL'MOV, Ye.V., doktor tekhn.nauk, obshchiy red.; VSHIVKOV, P.P., inzh., red.; KUBSHINSKIY, V.V., kand.tekhn.nauk, red.; POHUCHIKOV, Yu.P., kand.tekhn.nauk, red.; STEPANOV, V.V., kand.tekhn.nauk, red.; SOKOLOV, K.N., kand.tekhn.nauk, red.; SOKOLOVSKIY, V.I., kand. tekhn.nauk, red.; SUSTAVOV, M.I., inzh., red.; SHUMAYEV, B.K., kand. tekhn.nauk, red.; CHERNOGOROV, P.V., prof., red.; DUGINA, N.A., tekhn.red.

[Mechanization and automation in the machinery industry] Mekhanizatsiya i avtomatizatsiya mashinostroitel'nogo proizvodstva. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 519 p.

(MIRA 13:2)

(Machinery industry--Technological innovations) (Automation)

Vshikov PP

PHASE I BOOK EXPLOITATION

507

Vshikov, Petr Pavlovich

Svobodnaya kovka (Flat Die Forging) Moscow, Mashgiz, 1957. 62 p.
(Series: Nauchno-populyarnaya biblioteka rabochego kuznetsa,
vyp. 6) 11,000 copies printed.

Ed.: Zlatkin, M.G.; Reviewers: Ganago, O.A., Candidate of Technical
Sciences, and Morozovich, B.A., Engineer; Tech. Ed.: Sarafanova, G.A.

PURPOSE: This is the sixth pamphlet in the series Popular Scientific
Worker's Library which is published with the purpose of informing
forging shop workers about various aspects of forging. It may
also be used in secondary schools and technical schools to
acquaint the young reader with the forging process.

Card 1/5

Flat Die Forging

507

COVERAGE: This pamphlet deals primarily with flat die forging methods and forging equipment. The author begins by explaining the effects of forging on metal and the physical changes which take place during that process. He continues with a description of standard equipment used in forging, such as pneumatic hammers, steam hammers and hydraulic presses. Some auxiliary equipment is also mentioned. In conclusion some problems in the manufacture of forgings are discussed. No personalities are mentioned. There are 4 references, all of which are Soviet.

**TABLE OF
CONTENTS:**

Introduction	3
General Information About Forging	4
What properties of metal are exploited in forging	4

Card 2/5

Flat Die Forging

507

Why the properties of metal are improved by forging	5
How forgings are produced	5
When flat die forging is used	6
The effect of metal on the quality of forgings	9
The Effect of Thermal and Mechanical Treatment on the Quality of Forgings	12
What happens to the metal during heating	13
What happens to the metal during forging	14
Forging reduction ratio	16

Card 3/5

Flat Die Forging	507
The effect of the grain "fiber" of steel on the mechanical properties of forging	18
Flat Die Forging Equipment	21
Forge hammers	21
Hydraulic forging press	24
Heating furnaces	31
Auxiliary devices	31
Hammer and press forging shops	34
Technology of Flat Die Forging	37
Basic operations	37
Card 4/5	

Flat Die Forging	507
Cooling and thermal treatment of forgings	45
Defects in forgings	47
Allowances, tolerances, and typical processes	49
Ways of Improving Flat Die Forging	55
Recommended Reading	63

AVAILABLE: Library of Congress

Card 5/5

**GO/ad
8-12-58**

TARNOVSKIY, I.Ya., doktor tekhnicheskikh nauk, redaktor; GANAGO, O.A.,
kandidat tekhnicheskikh nauk, redaktor; VSHIVKOV, P.P. inzhener,
redaktor; DUGINA, N.A., tekhnicheskiy redaktor

[Ural forge operators in the struggle for technical progress; a
collection of articles] Ural'skie kuznetsy v bor'be za tekhnicheskiy
progress; sbornik statei. Moskva, Gos. nauchno-tekhn. izd-vo mashino-
stroit. lit-ry, 1955. 197 p. (MLRA 9:12)

1. Ural'skiy politekhnicheskiy institut imeni S.M.Kirova (for
Tarnovskiy, Ganago)
(Ural Mountain region--Forging)

VSHIVKOV, Petr Pavlovich; GANAGO, O.A., kand.tekhn.nauk, retsentent;
KON'KOV, A.S., dotsent, red.; DUGINA, N.A., tekhn.red.

[Forging and stamping machines] Kuznechno-shtampovochnye
mashiny. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry,
1959. 80 p. (Nauchno-populiarnaja biblioteka rabochego kuznetsa,
no.5) (Forging machinery) (Power presses) (MIRA 12:11)

BOROVSKIKH, Afanasiy Andreyevich; SHCHUKIN, Aleksandr Grigor'yevich;
VSHIVKOV, P.P., inzh., retsenzent; SHELEKHOV, V.A., inzh.,
red.; DUGINA, N.A., tekhn. red.

[Operator of a hydraulic press] Mashinist gidravlicheskogo pres-
sa. Moskva, Mashgiz, 1962. 111 p. (MIRA 15:10)
(Hydraulic presses)

LISNYAK, S.S.; BELIKOV, A.M.; MOROZOV, A.N.; VSHIVKOVA, L.A.

Chromium spinelide behavior during heating in reducing and oxidizing
gaseous media. Ogneupory 27 no.9:417-420 '62. (MIRA 15:8)

1. Nauchno-issledovatel'skiy institut metallurgii Chelyabinskogo
soveta narodnogo khozyaystva.
(Spinel group) (Metals, Effect of temperature on)

VSHIVKOVA, N.F.; NOSKOVA, N.I.; PAVLOV, V.A.

Deformation defects of packing in rhodium and irridium.
Fiz. met. i metalloved. 20 no.3:480 S '65.

(MIRA 18:11)

1. Institut fiziki metallov AN SSSR.

VSHIVTSEV, A.A.; TUMAS, Ye.V.

Making wire-reinforced girders. Avt.dor. 23 no.6:9-10
(MIRA 13:6)
Je '60. (Bataisk-Girders)

L 43/31-60 : 1/ m; :NA(h)

ACCESSION NR: AT5008636

S/2933/64/007/000/0227/0232

AUTHORS: Lyast, I. Ts.; Vshivtsev, A. D.

TITLE: Radiometric determination of sulfur in liquids and gases

SOURCE: AN SSSR. Bashkirskiy filial. Khimiya seraorganicheskikh soyedineniy, soderzhashchikh sanya v neftyakh i naftoproductakh, v. 1, 1964, 227-232

TOPIC PAUS: radiometry, sulfur, petroleum. ionization detector/RPSN-5 ionization detector, RPSG-1 ionization detector

26

ABSTRACT: The authors describe a technique of radiometric determination by means of an RPSN-5 ionization detector. It is based on absorption of soft gamma radiation (Fe^{55} in an argon atmosphere). The detector is a differential ionization chamber, operating on the principle of comparing two beams of radiation, one passing through the test material. The intensity difference between the two rays is determined by means of a compensating wedge, which may be rotated to bring the intensity difference to zero. The angle of rotation of the wedge is proportional to the absorbing capacity of the test material. This rotation angle can be compared with the value for some minimal density, and an expression may then be

Card 1/2

ACCESSION NR: AT5008636

obtained for the sulfur content. The characteristics of the BPSN-5 device are:
1) limiting content of sulfur that may be measured, 0.1-2.0%; 2) measurement
error, $\pm 0.01\%$ in the first range, $\pm 0.03\%$ in the second; 3) limits of density
computation, 0.70-0.85 g/cm³; 4) time for a single analysis, 3-4 minutes;
5) activity of source, 1-5 microcuries. The device may be readily used for
determining sulfur content in petroleum products, liquid hydrocarbons, and gases.
Orig. art. has: 3 figures and 11 formulas.

ASSOCIATION: Institut organicheskoy khimii BashFAN SSSR (Institute of Organic
Chemistry, Bashkirian Branch, AN SSSR)

SUBMITTED: 00

ENCL: 00

SUB CODE: FP, OC

NO REF SCV: 012

OTHER: 005

Card 2/2

s/081/62/000/003/077/090
B171/B101

AUTHORS: Lyast, I. Ts., Vshivtsev, A. D.

TITLE: Automation of the determination of the total sulfur content
in petroleum products

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 3, 1962, 495, abstract
3M242 (Sb. "Khimiya seraorgan. soyedineniy,
soderzhashchikhsya v neftyakh i nefteproduktakh. v. 4," M.,
Gostoptekhizdat, 1961, 92-99)

TEXT: An instrument (A. I.) has been developed for automatic determination
of S content in petroleum products. Its operation is based on the use of
radioactive radiation. According to laboratory tests, the steadiness of
the instrument indications is satisfactory and the error does not exceed
 $\pm 0.05\%$. The use of the A. I. for a continuous check of the S content in
petroleum products flow facilitates the control of the technological
process. A. I. can also be used in laboratory for S-content determination.
[Abstracter's note: Complete translation.]

Card 1/1

VSHIVTSEV, G.V.

The "Avtoperator" control system for technological processes
and machine units. Avtom.i prib. no.1:5-8 Ja-Mr '62.
(MIRA 15:3)

1. Lisichanskiy filial Instituta avtomatiki Gosplana USSR.
(Automatic control)

VSHIVTSEV 177
ALEKSEYEVSKIY, G.A., uchitel'; VSHIVTSEV, N.D., kand.ped.nauk; FLORENSKAYA, M.A.

Textbook of botany for the secondary school ("Botany"; textbook for the grades 5 and 6 of the secondary school by B.V. Vsesviatskii. Reviewed by G.A. Alekseevskii, N.D. Vshivtsev and M.A. Florenskaya).
Biol. v shkole no.2:86-92 Mr-Ap '58. (MIRA 11:4)

1. Gorskayn srednyaya shkola Ves'yegonskogo rayona Kalininskoy oblasti (for Alekseyevskiy). 2. Yeniseyskiy pedagogicheskiy institut Krasnoyarskogo kraya (for Vshivtsev). 3. Pedagogicheskiy institut Komi ASSR (for Florenskaya).
(Botany--Study and teaching) (Vsesviatskii, B.V.)

VSHIVTSHEV, N.D., kand.ped.nauk

School experimental plot in a northern district of Siberia.
Biol. v shkole no.5:59+60 S-0 '58. (MIRA 11:11)

1. Yeniseyskiy pedagogicheskiy institut.
(Maklakovo—Agriculture—Study and teaching)

VSHIVTSEV, N. D.

VSHIVTSEV, N.D. - "The role of the school director in the creation and training of a school-wide students' collective". Krasnoyarsk, 1955. Min Education USSR. Moscow Oblast Pedagogical Inst. (Dissertation for the degree of Candidate of Pedagogical Sciences).

SO: Knizhnaya Letopis' No. 46, 12 November 1955. Moscow

SOV/139-58-5-10/35

AUTHORS: Kirenskiy, L. V., Vlasov, A. Ya. and Vtyurin, J. I.

TITLE: Magnetostriiction Hysteresis in Rotating Magnetic Fields
(Gisterezis magnitostriktssi v vrashchayushchikhsya magnitnykh
polyakh)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, fizika, 1958,
Nr 5, pp 52-54 (USSR)

ABSTRACT: The paper reports experimental investigation of the rotational magnetostriiction hysteresis. Measurements were made on a rolled polycrystalline nickel disc 1.02 mm thick and 14.20 mm dia. The degree of the rolling reduction of the disc was 54.7%. The disc was subjected to a 3-hour annealing in vacuo at 1000°C and subsequent slow cooling in a magnetically screened enclosure. Magnetostriictional changes in dimensions of the sample were measured with a wire probe, glued to the sample in the direction of rolling. Both the rotational magnetostriiction hysteresis and the rotational magnetization hysteresis losses were measured. Mechanical moments acting on the sample placed in a magnetic field were measured by means of a torque magnetometer whose sensitivity

Card 1/3

SOV/139-58-5-10/35

Magnetostriction Hysteresis in Rotating Magnetic Fields

was 4 oersted/mm. The magnetic field was produced by means of an electromagnet which rotated with respect to the sample from 0 to 360° both in forward and reverse directions. The changes in mechanical moments in magnetostriction were recorded on a photographic film in a cylindrical camera which could rotate together with the electromagnet. Special attention was paid to a removal of the possible effect of free-play between the coupled motions of the electromagnet and the recording camera. Measurements were made at 20°C in fields from 100 - 4850 oersted. Fig.1 shows a recording of the curves representing the change in mechanical moments (A), and magnetostriction (B) of nickel both in forward and reverse rotation of a 4850 oersted magnetic field. The magnetization hysteresis losses were calculated from the areas between the curves representing moments. The results (Fig.2) show that the magnetization hysteresis losses increase with increase of the external magnetic field up to 1500 oersted. Between 1500 and 3000 oersted the losses decrease with increase of the magnetic field and above 3000 oersted they start increasing again. Magnetograms shown in Fig.1 indicate that in addition to the rotational magnetization hysteresis there is also a rotational magnetostriction hysteresis (curves B). Both the

Card 2/3

SOV/139-58-5-10/35

Magnetostriction Hysteresis in Rotating Magnetic Fields

magnetostriction itself (curve 1 in Fig.3) and the maximum rotational magnetostriction hysteresis (curve 2 in Fig.3) increase rapidly with the magnetic field strength for fields from 0 to 1000 oersted. Above 1000 oersted both curves of Fig.3 approach saturation values. There are 3 figures and 6 Soviet references.

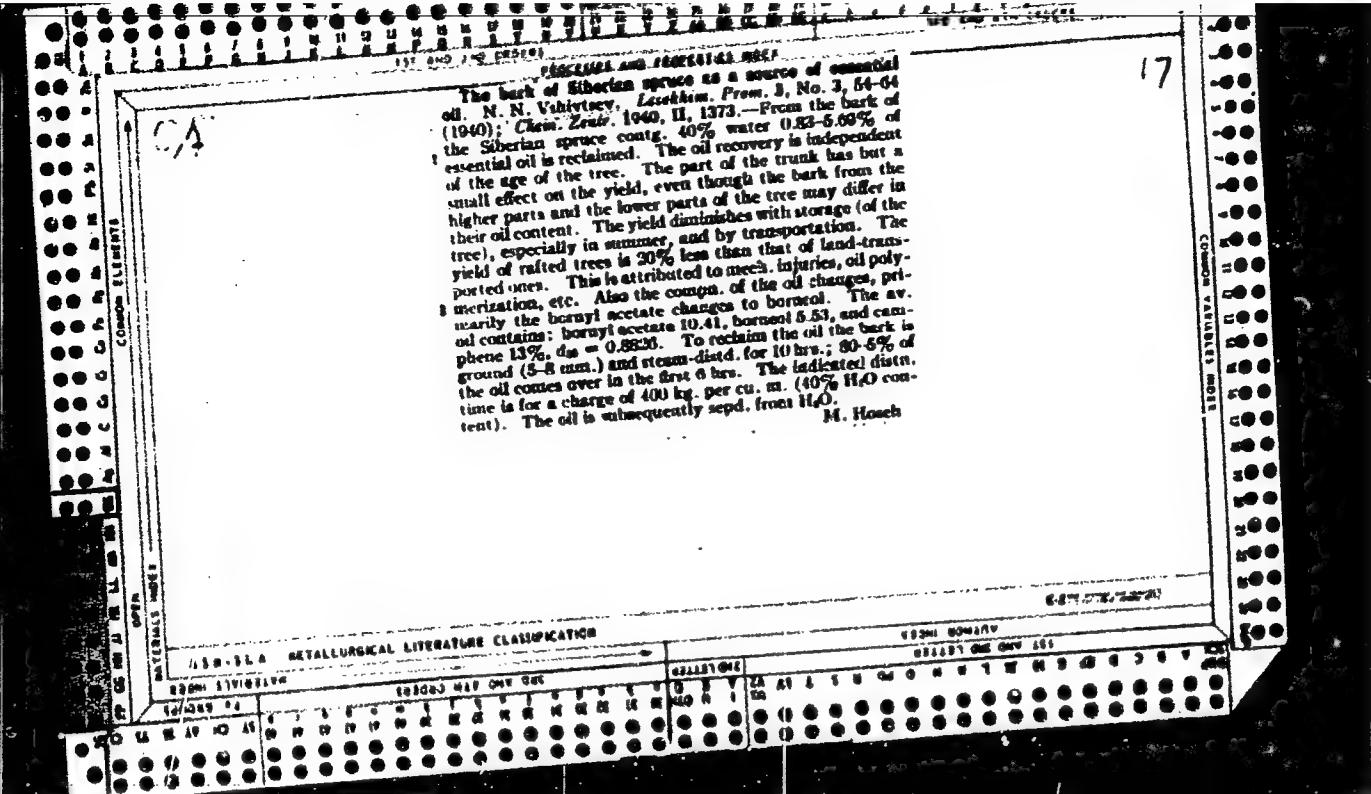
ASSOCIATION: Institut fiziki Sib.otdeleniya AN SSSR, Krasnoyarskiy pedagogicheskiy institut (Physics Institute, Siberian Division of the Academy of Sciences, USSR; Krasnoyarsk Pedagogical Institute)

SUBMITTED: March 20, 1958.

Card 3/3

The bark of Siberian spruce as a source of essential oil. N. N. Vahitsev, *Zvezda Prom.* 3, No. 3, 64-64 (1940); *Chem. Zentral.* 1940, II, 1373.—From the bark of the Siberian spruce contg. 40% water 0.52-5.6% of essential oil is reclaimed. The oil recovery is independent of the age of the tree. The part of the trunk has but a small effect on the yield, even though the bark from the higher parts and the lower parts of the tree may differ in their oil content. The yield diminishes with storage (of the tree), especially in summer, and by transportation (of the portioned trees) is 20% less than that of land-transportation, etc. This is attributed to mech. injuries, oil-trans-esterification, etc. Also the compn. of the oil changes; primarily the bornyl acetate changes to bornanol. The oil contains: bornyl acetate 10.41, bornanol 6.53, and camphene 13%, $d_{4}^{20} = 0.8626$. To reclaim the oil the bark is ground (5-8 mm.) and steam-distd. for 10 hrs.; 80-85% of the oil comes over in the first 6 hrs. The indicated distn. time is for a charge of 400 kg. per cu. m. (40% H₂O content). The oil is subsequently sepd. from H₂O.

17



—CA

24

I. I. P. Chistov, S. N. Vaynshteyn and L. P. Polyakov. *Leshkina. Prom.* 1939, No. 4, 34-9; *Khim. Referat. Zhur.* 1939, No. 8, 118.—The AcOH obtained from wood in gas-generating plants contains much HCOOH , etc. A new contact method of purification consists of passing AcOH vapor with air through a contact tube in an elec. oven over

"V, or Ag catalyst. Optimum results were obtained with 12.75% of Ag by reducing with a HCOOH soln.; the content of HCOOH in the distillate was reduced from 4.2-5.1% to 0.05-0.78%. The losses of A(OH) did not exceed 1.0-1.5%.

W. R. Henz

Metallurgical Literature Classification

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961220010-9"

VSHIVZEV, S. N.
P. A. BOROVY, Trudui Tzentral. Nauch. Issledovatel. Lesokhim. Inst.
Markomleca 636R 5, 72-102, 1934

VSHIVTZEV, S. N.
S. P. NASAKIN, Lesokhim Prom, 3, n. 9-10, 35-41, n. 11, 22-7(1934)

VSHIVTZEV, S. N.
P. A. BOBROV, Trud. Tzent. Nauch.-Issl. SSSR, 1934, 5, 3-41, 78-108

C4

The thermal decomposition of wood in a current of an inert gas. S. N. Vshlytsev and I. P. Chistov. *Zetobium, Prom. S., No. 10, 8-11 (1936); Chem. Zents. 1936, I, 789-90.* -A preliminary report. A current of CO_2 , heated to 300-305°, was passed through birch shavings. The condensate contained about 40% org. acids (calcd. as HOAc). The yield of acids amounted to about 15% of the dry wood. Birch and pine shavings were used in semitech. expts. The app. consisted of a Cu retort charged with 300-300 g. of shavings, a gas heater and a condenser. The condensate contained about 70% org. acids and tar. The large amts. of tar present did not sep. on standing in the case of birch and septd. only to a slight extent in the case of the pine or fir. D. 1.225. Upon diln. of the liquid 1-2, the tar (10%) septd. When the condensate was redistd. up to the point of fuming, 55% of distillate was obtained and 45% pitchy residue. The acidity of the first condensate was 20.5% for deciduous woods and as high as 12.43% for conifers. The yield remained unchanged as the quantity of gas used was varied from 0.8 to 6.0 kg. per kg. of wood. When still smaller amts. of gas (0.5 kg. per kg. of wood) were used and the walls of the retort heated more strongly the yield was reduced considerably. The decomprn. of the wood shavings in the current of CO_2 came to an end very rapidly; distillate passed over only for 5-10 min. even when the temp. of the CO_2 was only 300-305°. On the other hand, dry distn. in the same retort continued

30-40 min. Distn. at a higher temp. (400°) using a small amt. of gas (0.4 kg. per kg. of wood) gave the lowest yield, a yield which was lower than that obtained by simple dry distn.; the yield in acids amounted to 7.1%; for dry distn. it was 7.7%. The most favorable expts. gave a yield of acid amounting to 12% of the wt. of wood (5 kg. CO_2 per kg. wood). Of the total acid obtained, on an av 65.55% was HOAc , 15% HCO_2H , and 10-20% $\text{B}(\text{C}_6\text{H}_5)_2$. In 2 different expts. 4.6 and 5.6% phenol and 2.3 and 6.8% neutral oils were obtained. Ester yields of 1.9% and MeOH yields of 1.0% were found. The yields in ketones, aldehydes and nonvolatile matter were high. According to the literature, the ketone and aldehyde yield is 1.27% while for dry distn. (220-285°) the ketone yield is 1.6% and the aldehyde, 3.4% (concn. in the condensate 8.92 and 6.55%, resp.). In an expt. using the current of CO_2 , 0.1% ketones and 0.7% aldehydes were obtained. In 2 expts. the yields in nonvolatile matter were 12.0 and 17.1% calcd. on the dry wood. About 10-20% of the volatile acids and up to 20% of the ketones with 6.8% of the aldehydes passed over into the washing flask. W. A. M.

REF ID: A6410

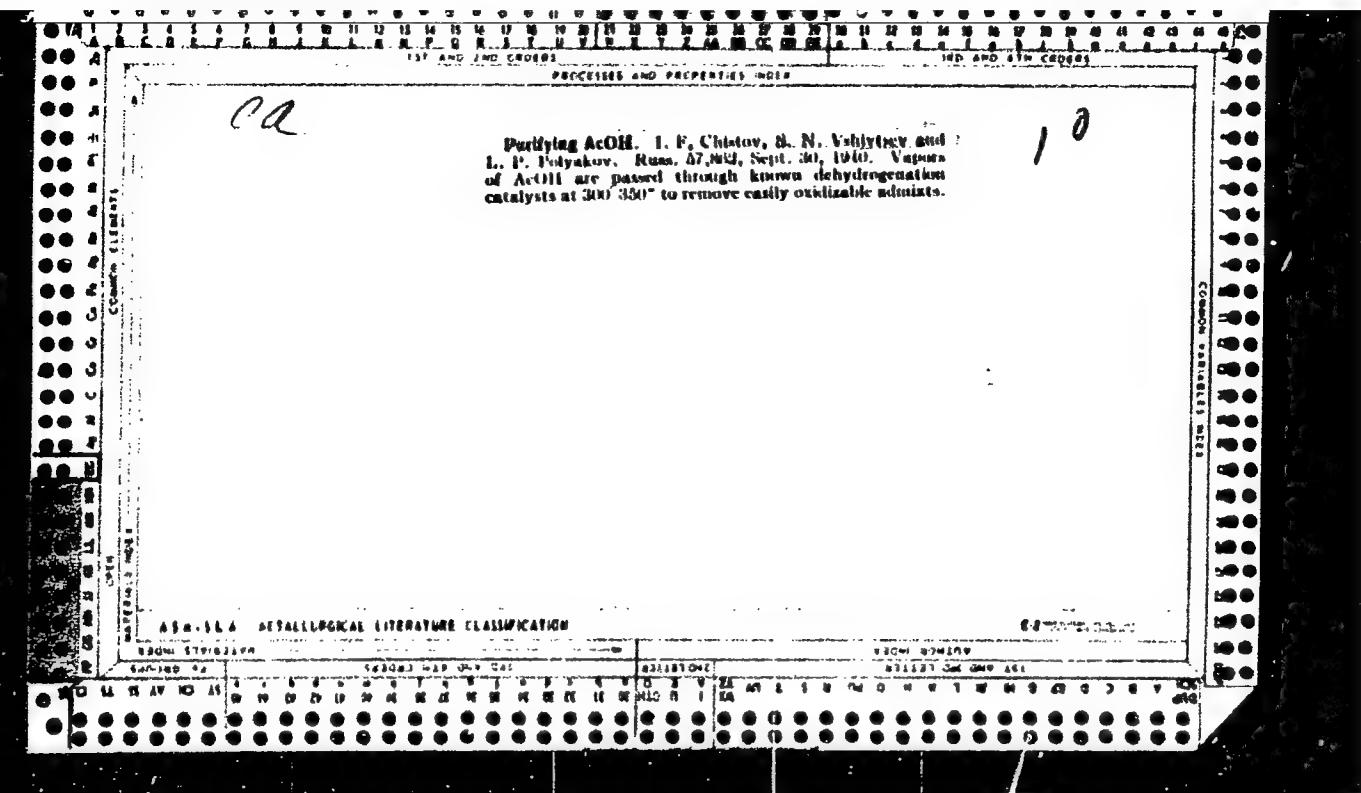
ASA-SEA METALLURGICAL LITERATURE CLASSIFICATION

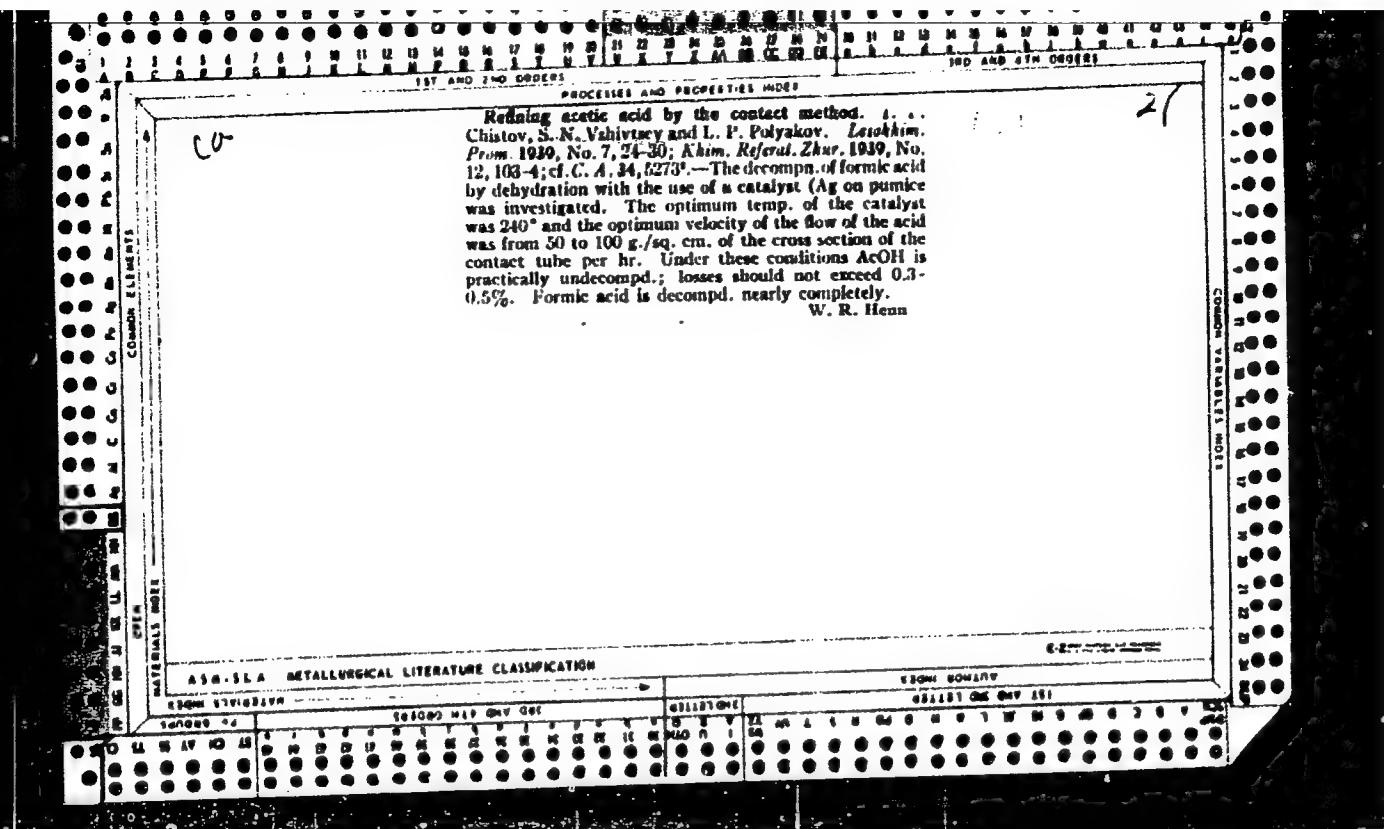
The causes of the solidification of the reaction mixture in the Linde apparatus. I. P. Chistov, S. N. Vshivtsev and A. A. Loginskaya. *Izobhizm. Prom.*, 3, No. 8, 10-22 (1930). The reaction mixt. obtained in the Linde app. in the decompr. of $\text{Ca}(\text{Ac})_2$, being freed at the end of the process from an excess of H_2SO_4 , solidifies as the result of hydration of the gypsum formed. The presence of free H_2SO_4 (not less than 7%) in the gypsum prevented or decreased this effect, proportionally to the amt. of acid present. Therefore, in carrying out the process an excess of H_2SO_4 should be used (about 130-85% of the theoretical).
A. A. Podgorny

A. A. Pukgony

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961220010-9"





"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961220010-9

0646* Se a Regulador de presión deformado por el fuego
afecta el calor en una tubería de acero inoxidable plástico
deformado y dañado una metalas presión estanque
de acuerdo a la norma de la tubería de acero inoxidable
de acuerdo a la norma de la tubería de acero inoxidable

gP

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961220010-9"

PAVLOV, V.A.; VSHIVTSEVA, K.A.

Development of cracks in magnesium subjected to tension-induced
plastic deformation. *Fiz.met. i metalloved.* 1 no.3:538-540 '55.
(MLRA 9:6)

1. Institut fiziki metallov Ural'skogo filiala Akademii nauk SSSR.
(Magnesium--Testing) (Deformation (Mechanics))

VSHIVTSEVA, M.

VSHIVTSEVA, M.

~~Raising rabbits for fur. Nauka i pered. op. v sel'khoz. 8~~
no.1:23-24 Ja '58. (MIRA 11:2)

1. Direktor Kirovskogo gospromrassadnika.
(Rabbits)

VSHIVTSEVA, M. M.
I. F. CHISTOV, Lesokhim. Prom. 4, No. 8, 18-20, 1935

Certain biaxial stresses, plastic deformation and fracture of metals in tension. - Part 2 by A. V. Auld and J. C. Metal - Part 3 by J. C. Metal and R. W. H. T. M. Stu. and A. V. Auld on having the same grain size, were tensile tested at 192°C. The latter at different rates of load application. At low temps. initial elongation decreased faster than uniform elongation. The latter was between them increased and total elongation is below saturating conductivity of the deformation state. This changed the character of the cracking fracture gradually passed to fracture which no yielding was observed. It occurred when uniform deformation rate was used up with dependence under the external temperature. At this point cracking occurs which is either due to the fracturing or to necking mechanism.

PAVLOV, V.A.; VSHIVTSEVA, K.A.

Patterns of plastic deformation and failure of metals subjected
to tensile forces. Fiz.met. i metalloved. 1 no.2:261-268 '55.

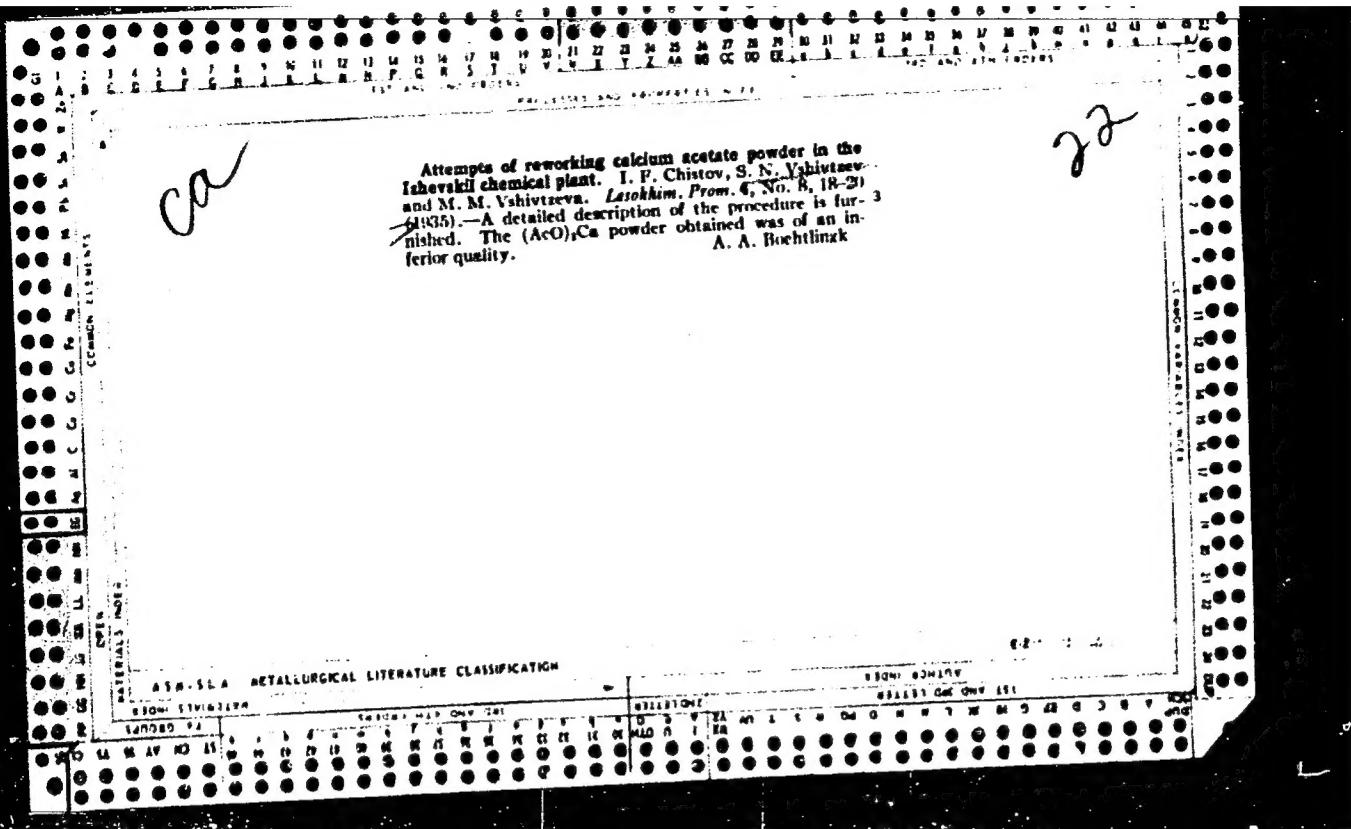
1.Institut fiziki metallov Ural'skogo filiala Akademii nauk SSSR.
(Deformations (Mechanics)) (Metals--Testing)

VSHIVTSEVA, K. S.

VSHIVTSEVA, K.S.

Injuries of the common carotid artery in a child. Khirurgii no.
5:73 My '54. (MLRA 7:7)

1. Iz kliniki obshchey khirurgii Vinnitskogo meditsinskogo in-
stituta.
(ARTERIES, CAROTID, wounds and injuries,
*in child)



VSHIVITSHEVA, M.V.

A branch of high returns. Zhivotnovodstvo 20 no.6:33-34 Je '58.
(MIRA 11:6)

1. Direktor Kirovskogo gospolemnassadnika krolikov.
(Rabbits)